

**Claims**

**What is Claimed is:**

1. A device restoration system, for restoring a client device to a state prior to  
5 a major failure, comprising:

a server device;

a network communicatively interconnecting the client device and the  
server device;

a storage manager accessible to the server device for saving the state; and

10 a network boot in which the server device causes the client device to boot.

2. A method of restoring a client device of a network on failure of the client  
device, wherein the network includes a server computer, comprising the steps of:

booting the client device via a network boot;

15 creating a boot program for operation on the client device;

configuring the client device according to the boot program and a saved  
configuration state;

copying a file to the client device in accordance with a configuration from  
the step of configuring.

20 3. The method of claim 2, wherein the steps of booting, creating, configuring,  
and copying are performed through communications over the network between the client  
device and the server computer.

4. The method of claim 2, wherein the step of booting is performed by a boot server of the network.

5. The method of claim 2, wherein the step of creating is performed by the server computer and the boot program is communicated to the client device.

6. The method of claim 2, wherein the step of configuring the client device is performed by a file server of the network and a storage manager.

7. The method of claim 2, wherein the step of copying is performed by a storage manager server of the network.

8. The method of claim 2, further comprising the step of:  
storing an image of the client device via a storage manager application of a server device of the network.

9. The method of claim 8, wherein the step of storing is performed by a standard storage manager application and includes backup of the configuration state of the client computer.

10. The method of claim 9, wherein the step of booting is performed by a boot server of the network; the step of creating is performed by a restore server of the network;

the step of configuring is performed by a file server of the network and a storage manager server of the network; and the step of copying is performed by the file server and the storage manager.

5           11.    A method of restoring a client device of a network, the network including a server device having a storage manager application, comprising the steps of:

              backing up configuration data, as well as application and data files, by the storage manager application; and

              restoring the backed up configuration data, as well as application and data  
10           files, from the step of backing up, to the client device over the network.

              12.    The method of claim 11, further comprising the step of:  
                      booting the client device via a standard network boot.

15           13.    The method of claim 12, further comprising the step of:  
                      supplying to the client device a boot program; and  
                      using the boot program at the client device to perform the step of restoring.

              14.    The method of claim 11, wherein the client device is remote from the  
20           storage manager application.

              15.    The method of claim 12, wherein the step of booting is initiated remote from the client device.

16. A device restoration system, for restoring a client device to a state prior to a major failure, comprising:

a controlling device connected to the client device, for resetting the client device;

a storage manager communicatively connected to the client device, for saving the state; and

a boot program for operating the client device, communicatively connected to the storage manager, and causing the client device to boot with the state.

17. A method of restoring a client device on failure of the client device, comprising the steps of:

saving a state of the client device prior to the failure

resetting the client device;

booting the client device; and

configuring the client device according to the state from the step of saving.